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## **IN THE CLAIMS:**

1. (previously presented) An apparatus for processing a portion of an automobile body, the portion including a concave portion which extends along a curved line in a substantially longitudinal direction of the automobile body and has opposing side walls and a

bottom, comprising:

a processing device;

a supporting device movably supporting the processing device, wherein the

supporting device includes a slidably supported structure, wherein the slidably supported

structure is in exclusively slidable engagement with the supporting device and is free to move in

a widthwise direction of the automobile body relative to the automobile body, wherein such

movement of the slidably supported structure is solely and directly in response to movement of

the processing device along the concave portion, and

a longitudinal drive device for moving the slidably supported structure relative to

the automobile body in a longitudinal direction of the automobile body;

wherein the processing device is mounted to the slidably supported structure and

includes a processing head having a tip for engaging either of the side walls and the bottom of

the concave portion of the automobile,

wherein the processing head moves in the substantially longitudinal direction

relative to and along the concave portion, while the processing head moves in the widthwise

direction in response to the tip contacting either of the side walls of the concave portion when the

slidably supported structure is moved relative to the automobile body by the longitudinal drive

device.

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2.-5. (canceled)

6. (previously presented) An apparatus according to Claim 1, further

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comprising a transverse direction driving device for moving the processing device in a width

direction of the automobile body.

7. (previously presented) An apparatus according to Claim 6, further

comprising a position detector for detecting the relative positions of the supporting device and

the portion of the automobile body being processed, wherein a transverse direction driving

device drives the slidably supported structure based on detection signals generated by the

position detector.

8. (previously presented) An apparatus according to Claim 1, wherein the

processing device is movably supported on the slidably supported structure in a vertical direction

of the automobile body.

9. (original) An apparatus according to Claim 8, further comprising a

vertical direction driving device for moving the processing device in a vertical direction with

respect to the automobile body.

10. (previously presented) An apparatus according to Claim 9, further

comprising a position detector for detecting the relative positions of the automobile body and the

supporting device, wherein the vertical direction driving device drives the processing device

based on detection signals generated by the position detector.

11. (canceled)

12. (previously presented) An apparatus according to Claim 1, further

comprising a transverse direction driving device for moving the processing device in a width

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direction of the automobile body and a vertical direction device for moving the processing device in a vertical direction of the automobile body.

13. (previously presented) An apparatus according to Claim 12, further comprising a position detector for detecting the relative positions of the automobile body and the supporting device, wherein the transverse direction driving device and the vertical direction driving device drive the processing device based on detection signals generated by the position detector.

## 14.-18. (canceled)

19. (withdrawn) A method for processing a portion of an automobile body using a processing device comprising:

moving a supporting device relative to the portion of the automobile body being processed while movably supporting the processing device on the supporting device.

- 20. (withdrawn) A method according to Claim 19, further comprising moving the supporting device relative to the portion of the automobile body being processed by moving the automobile body.
- 21. (withdrawn) A method according to Claim 19, further comprising moving the supporting device relative to the portion of the automobile body being processed by moving both the automobile body and the supporting structure.
- 22. (withdrawn) A method according to Claim 19, further comprising moving the supporting device relative to the portion of the automobile body being processed while movably supporting the processing device in a vertical direction with respect to the automobile body.

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23. (withdrawn) A method according to Claim 19, further comprising moving

the supporting device relative to the portion of the automobile body being processed while

movably supporting the processing device in a width direction with respect to the automobile

body.

24. (withdrawn) A method according to Claim 19, further comprising moving

the supporting device relative to the portion of the automobile body being processed while

movably supporting the processing device in a vertical direction and in a width direction with

respect to the automobile body.

25. (previously presented) An apparatus for processing a portion of a

workpiece, the portion including a concave portion which extends along a curved line in a

substantially longitudinal direction of the workpiece and has opposing side walls and a bottom,

comprising:

a processing device;

a supporting device movably supporting the processing device, wherein the

supporting device includes a slidably supported structure, wherein the slidably supported

structure is in exclusively slidable engagement with the supporting device and is free to move in

a widthwise direction of the workpiece relative to the workpiece, the widthwise direction being

orthogonal to the longitudinal direction, wherein such movement of the slidably supported

structure is solely and directly in response to movement of the processing device along the

concave portion, and

a longitudinal drive device for moving the slidably supported structure relative to

the workpiece in a longitudinal direction of the workpiece;

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wherein the processing device is mounted to the slidably supported structure and includes a processing head having a tip for engaging either of the side walls and the bottom of the concave portion of the workpiece,

wherein the processing head moves in the substantially longitudinal direction relative to and along the concave portion, while the processing head moves in the widthwise direction in response to the tip contacting either of the side walls of the concave portion when the slidably supported structure is moved relative to the workpiece by the longitudinal drive device.

26.-34. (canceled)

35. (withdrawn) A method for processing a workpiece using a processing device comprising:

moving a supporting device relative to the portion of the workpiece being processed while the processing device is movably supported on the supporting device.

- 36. (withdrawn) A method according to Claim 35, further comprising moving the supporting device relative to the portion of the workpiece being processed while movably supporting the processing device in a direction that is substantially parallel to a line connecting the supporting device and the portion of the workpiece being processed.
- 37. (withdrawn) A method according to Claim 35, further comprising moving the supporting device relative to the portion of the workpiece being processed while movably supporting the processing device in a direction that is substantially parallel to a line orthogonal to a line connecting the supporting device and the portion of the workpiece being processed.
- 38. (withdrawn) A method according to Claim 35, further comprising moving the supporting device relative to the portion of the workpiece being processed while movably

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supporting the processing device in a direction that is opposite to a surface of the portion being processed.

- 39. (withdrawn) A method according to Claim 35, further comprising moving the supporting device relative to the portion of the workpiece being processed while movably supporting the processing device in a direction that is substantially orthogonal to a surface of the portion being processed.
- 40. (withdrawn) A method according to Claim 35, further comprising moving the supporting device relative to the portion of the workpiece being processed while movably supporting the processing device in a direction that is substantially parallel to a line connecting the supporting device and the portion of the workpiece being processed and in a direction that is substantially parallel to a line orthogonal to the line connecting the supporting device and the portion of the workpiece being processed.
  - 41. (original) An apparatus for processing an automobile body comprising: a supporting structure comprising a first arm and a second arm, a first follower frame,

a second follower frame coupled to an end portion of the second arm, the first and second follower frames respectively comprising first, second and third transversely disposed frames, wherein the second transversely disposed frame of the first follower frame is coupled to an end portion of the first arm and the second transversely disposed frame of the second follower frame is coupled to an end portion of the second arm,

a first transverse driving cylinder coupled and transversely disposed with respect to the first arm, the first transverse driving cylinder comprising a rod actuatable to move between

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an extended position and a retracted position, wherein when the rod is extended in the extended

position, the first follower frame is locked in the transverse direction, and when the rod is

withdrawn to the retracted position, the first follower frame can freely move in the transverse

direction,

a second transverse driving cylinder coupled and transversely disposed with

respect to the second arm, the second transverse driving cylinder comprising a rod actuatable to

move between an extended position and a retracted position, wherein when the rod is extended in

the extended position, the second follower frame is locked in the transverse direction, and when

the rod is withdrawn to the retracted position, the second follower frame can freely move in the

transverse direction,

a first vertical driving cylinder coupled and vertically disposed with respect to the

first arm, the first vertical driving cylinder comprising a rod actuatable to move between an

extended position and a retracted position, wherein when the rod is extended in the extended

position, the first follower frame is locked in the vertical direction, and when the rod is

withdrawn to the retracted position, the first follower frame can freely move or pivot in the

vertical direction,

a second vertical driving cylinder coupled and vertically disposed with respect to

the second arm, the second vertical driving cylinder comprising a rod actuatable to move

between an extended position and a retracted position, wherein when the rod is extended in the

extended position, the second follower frame is locked in the transverse direction, and when the

rod is withdrawn to the retracted position, the second follower frame can freely move or pivot in

the vertical direction,

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a first processing device coupled to the first follower frame and

a second processing device coupled to the second follower frame, the first and second processing devices being selected from the group consisting of a spray nozzle and an air

gun.

42.-43. (canceled)

44. (previously presented) An apparatus according to Claim 1, wherein the

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processing device comprises a nozzle for applying a sealant.

45.-46. (canceled)

47. (previously presented) An apparatus according to Claim 25, wherein the

processing device comprises a nozzle for applying a sealant.

48. (previously presented) An apparatus according to Claim 1, wherein the

longitudinal drive device is coupled to the slidably supported structure, so that the slidably

movable structure is moved in the longitudinal direction of the automobile body by the

longitudinal drive device.

49. (previously presented) An apparatus according to Claim 25, wherein the

longitudinal drive device is coupled to the slidably supported structure, so that the slidably

movable structure is moved in the longitudinal direction of the workpiece by the longitudinal

drive device.

50. (previously presented) An apparatus according to Claim 25, further

comprising a transverse direction driving device for moving the processing device in a width

direction of the workpiece.

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51. (previously presented) An apparatus according to Claim 50, further comprising a position detector for detecting the relative positions of the supporting device and the portion of the workpiece being processed, wherein a transverse direction driving device drives the slidably supported structure based on detection signals generated by the position detector.

- 52. (previously presented) An apparatus according to Claim 25, wherein the processing device is movably supported on the slidably supported structure in a vertical direction of the workpiece.
- 53. (previously presented) An apparatus according to Claim 52, further comprising a vertical direction driving device for moving the processing device in a vertical direction with respect to the workpiece.
- 54. (previously presented) An apparatus according to Claim 53, further comprising a position detector for detecting the relative positions of the workpiece and the supporting device, wherein the vertical direction driving device drives the processing device based on detection signals generated by the position detector.
- 55. (previously presented) An apparatus according to Claim 25, further comprising a transverse direction driving device for moving the processing device in a width direction of the workpiece and a vertical direction device for moving the processing device in a vertical direction of the workpiece.
- 56. (previously presented) An apparatus according to Claim 55, further comprising a position detector for detecting the relative positions of the workpiece and the supporting device, wherein the transverse direction driving device and the vertical direction

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driving device drive the processing device based on detection signals generated by the position detector.